



NITFS Compliance Registration



Product: CRSS POC and ROC H/W Architecture
employing CIPCSC software version 4.2.82

Sponsor: GeoEye

Developer: Raytheon

Date: 30 March 2010

Expiration: 29 March 2012

Registration #: 1048

☒ **System** ☐ **Product** ☐ **Component**

N-0105, §4.1.1 N-0105, §4.1.2 N-0105, §4.1.3

- ☐ Initial Registration
☒ Supplemental/Update **#6**
☐ Derived from Reg. #

Complexity Level							
NITF 2.1 CLEVEL							
	3	5	6	7			
Interpret							
Generate							
NITF 2.0 CLEVEL							
	1	2	3	4	5	6	Oth
Interpret							
Generate							

Configurations Tested:

- SGI (IRIX and LINUX)
CIPCSC software version 4.2.82

Format

NITF

- ☒ 2.1
☒ 2.0
☐ 1.1

NSIF

- ☐ 1.0

Pixel Value Types

- ☐ Boolean
☒ Integer
☐ Signed Integer *
☐ IEEE Real *
☐ IEEE Complex *

Annotation Segment Types

- ☐ Bit Mapped **
☐ CGM, 2301
☐ CGM, 2301A
☐ Labels **

Text Segments

- ☒ STA
☐ OUT1
☐ OUT8
☐ OMTF

NITFS Features Implemented:

Image Segment Types

- ☐ MONO
☒ RGB
☐ RGB/LUT
☐ YCbCr
☒ MULTI
☐ WODISPLY
☐ POLAR
☐ No Mask
☐ Mask

Image Compression

- ☒ No compression
☒ JPEG Lossy, 8-bit
☐ JPEG Lossy, 12-bit
☐ JPEG Downsample
☐ JPEG Lossless
☒ JPEG 2000
☐ Code Stream w/o JP2
☐ Code Stream w/JP2
☒ Band
☒ Band RGB
☐ Band RGB/LUT
☒ Multiband
☐ Bi-Level
☐ Vector Quantization

Data Extension Segments

- ☒ TRE_OVERFLOW
☐ STREAMING_FILE_HEADER
☐ Controlled Extensions
☒ Registered Extensions
☐ SATTA
☒ SSHPA

Tagged Record Extensions

- ☒ CSCCGA ☒ HISTOA
☒ CSCRNA ☒ J2KLRA
☒ CSDIDA ☒ MAPLOB
☒ CSEXRA ☒ NBLOCA
☒ CSPROA ☒ PIAIMC
☒ CSSFAA ☒ PRJPSB
☒ GEOLOB ☒ RPC00B
☒ GEOPSB ☒ STDIDC
☒ STREOB ☒ USE00A
☒ CSEPHA

Bit-Per-Pixel

- ☐ 1
☒ 8
☐ 9-16
☒ 16
☐ 17-32
☐ 32
☐ 33-64
☐ 64

Legend

- ** NITF 2.0 only feature
NITF 2.1 only feature
☒ Fully implemented
☒ Partially implemented
☐ Not implemented

VALERIE BAKER, Lt Col, USAF, Division Chief
Joint Interoperability Test Command
Executive Agent to National Geospatial-
Intelligence Agency for the NITFS Test and
Evaluation Program

Registration does not guarantee that a product will meet all users' requirements.
Potential users should evaluate the detailed test results to determine the suitability of
the product for the intended use. Optional NITFS features may not be implemented.